



HERITAGE

INDO MANOR



*The management system governing the manufacture
of this product is ISO 9001:2015 certified*

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INDO MANOR

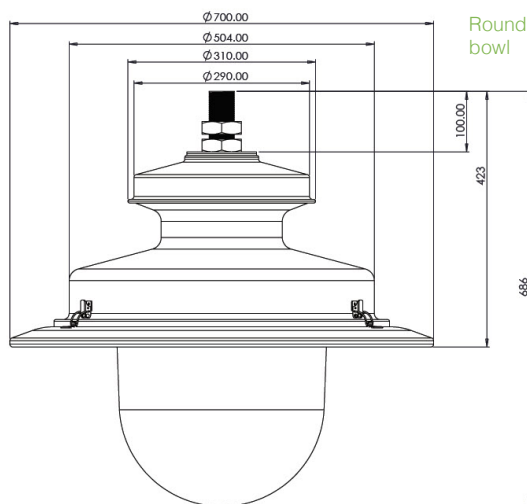
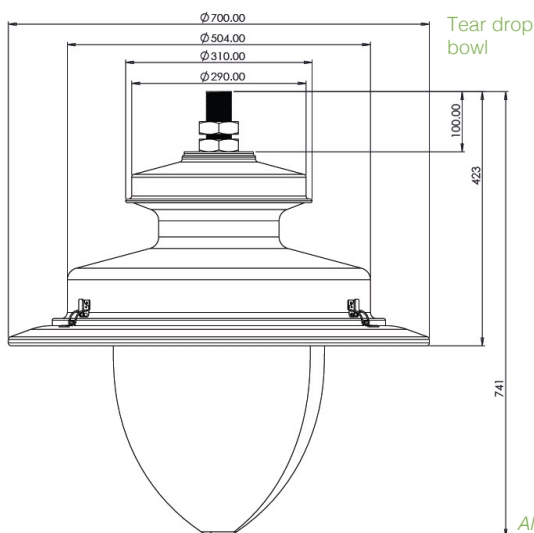


Features

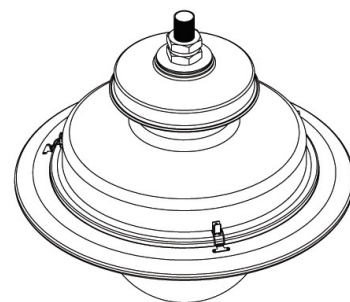
- Direct Drive® technology
- Pre-programmable dimming
- DALI enabled
- Constant Light Output
- Integrated longlife photocell
- Excellent thermal management
- Fully sealed polycarbonate bowl
- LED efficacy up to 200 lm/W
- CMS compatible

Benefits

- Beautiful heritage aesthetics
- Significant energy reductions
- Market-leading maintenance savings
- Rapid payback
- Quick and simple to install
- Quality design & engineering

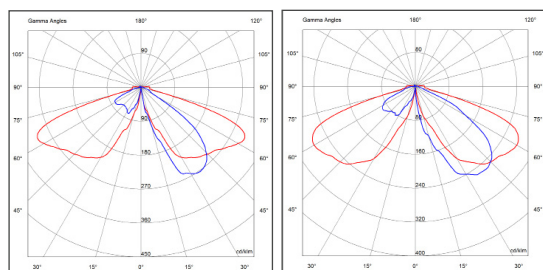


All dimensions in mm



Photometry

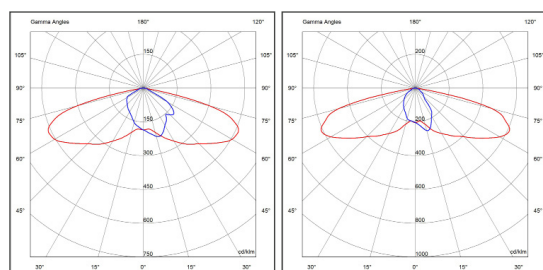
Example optics for town & city centres



CHROMA DR1

CHROMA DR5

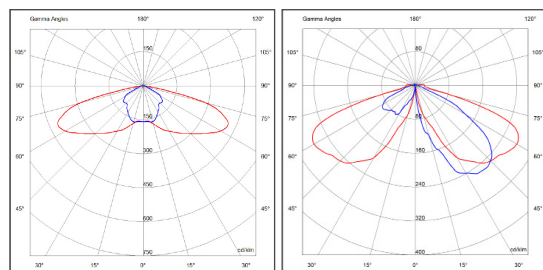
Example optics for residential & footpaths



OPUS2 SW

OPUS2 SWA

Example optics for parks & public space



OPUS2 TSW

CHROMA DR5

Product Overview

INDO has added a new decorative lantern, the MANOR, to its growing range of Direct Drive® heritage LED luminaires all supplied with 10-year warranty as standard.

The traditional styling and quality features of INDO MANOR make it the perfect LED replacement for a wide range of heritage schemes. Customers can choose a round or tear-shaped bowl as well as a range of ambience-setting colour temperatures in a range of high-performance optics to suit any environmental objective.

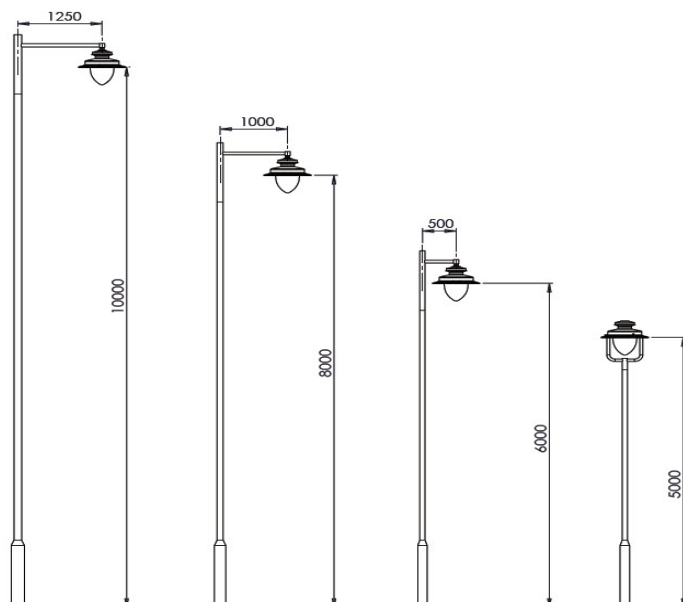
Stainless steel fixings and mounting arrangements; suspended BSP.P Spigot or Post Top Stirrup bracket, with a fully aluminium body and UV stabilised polycarbonate bowl, make this a high quality, robust unit. The MANOR is compatible with all major CMS platforms via 3/7 pin NEMA Future improvements in LED technology and functionality will be very simple to accommodate without changing the whole unit.

The stirrup mounted option comes pre-wired with 7M of 1.5mm, 3-core cable for ease of installation.

Plus there are many other benefits from the Direct Drive® technology for customers, contractors and other users

Direct Drive® delivers:

- Lower whole-life costs
- Lower whole-life maintenance risk
- Market-leading reliability



MANOR Technical Specifications

PRODUCT ORDERING OPTIONS

Model	MANOR
Power (4000K)	5W to 114W
Lumen Output	500lm to 16,000lm
Correlated Colour Temperature (CCT)	2200K to 4000K
External Photocell	20mm pre-drilled NEMA 3, 5 or 7-pin
Internal Photocell	Not fitted or activated, 20/20, 35/18, 55/28
Pre-set Dimming	Fixed pre-set 50% [00:00-05:00] pre-set 75% [00:00-05:00] multiple options available
Light Engine	OPUS2, CHROMA, NAVIGATOR
Optics	SW, DR1-DR5 M00-M10, P00-P05
Luminaire Colour	RAL9005 Jet Black
Mounting	Suspended 1 1/4" BSP.P Post Top Stirrup mount (76mm Bracket supplied)

For more information on selecting the correct lantern specification to suit your application and design criteria, please contact your local account manager direct or call the main office (option1 sales)

KEY FEATURES

Direct Drive®	Yes
Lighting Classes	P1-P6 M3-M5, C3-C5
Replacement For	All teardrop bowl style heritage lanterns
Dimming Range (DALI)	from 10-100% output
Constant Light Output	Yes
Reliability	0.58 failures per million operating hrs
Materials	Aluminium spinning Stainless steel fixings Sealed Polycarbonate Bowl

PHYSICAL PROPERTIES

IK Rating	IK08 minimum
IP Rating (Optic + Gear)	IP66
Windage	0.203m²
Dimensions (L/WxD)	700 x 741mm (teardrop) 700 x 686 mm (round)

Net Weight	Min 8.9kg, Max 10.4kg
Operating Temperature Range	-40°C to +40°C

LEDs

Risk Group	RG1 (low risk)
LED Efficacy (4000K)	Up to 200 lm/W
Lumen Maintenance at 100,000 hours	Up to L93B50
Product Rated Life L80B50	Up to 250,000 hrs
Colour Rendering Index (CRI)	>70Ra
Direct Drive® Current	From 3.5mA to 221mA
SP Ratio (4000K)	From 1.4 to 1.7

Exact LED specifications vary depending on selected light engine and will be confirmed with product choices

ELECTRICAL

Input Voltage Range	195-265 V @50/60Hz
Power Factor	> 0.95
Soft Start	Yes
Extreme Soft Start	Yes
Automatic Disconnect	No
Fully CMS Addressable	Yes
Photocell compatibility	Integrated, Mini or NEMA
Surge Protection	20kV DM, 20kV CM

A wide range of options are available to ensure customers can specify lanterns around their needs to gain cost-efficiencies.

INSTALLATION

Mounting Options	Post-top 76mm
Mounting Heights	5m to 10m
Integrated Photocell	Yes
Shields available	Yes
Future-proofing	Onsite upgradable modules
Pre-wired	Stirrup mounting only, 7m x 1.5mm 3-core cable

UMSUG CODES

Easy look up table available www.indolighting.com/umsug